

Claims:

1. An accessory cartridge for removable reception in a specialized lighting fixture, which comprises
 - (a) a cartridge ring having a generally circular side wall portion and generally
5 open bottom and top portions,
 - (b) a plurality of generally flat, disc-like accessory elements adapted for loose-fitting reception within the side wall portions of said cartridge ring,
 - (c) said side wall portions having an axial dimension sufficient to accommodate the simultaneous reception of a plurality of accessory elements within said
10 cartridge ring,
 - (d) support flange portions adjacent said bottom portion and extending radially inward to form a bottom limit stop for an accessory element received within said cartridge ring,
 - (e) at least one retainer clip element positioned on said side wall portion for
15 engagement with edge portions of one or more accessory elements positioned within said cartridge ring,
 - (f) said retainer clip element comprising a resilient element extending inward from said side wall portions at an angle thereto such that portions of said resilient element closer to the bottom portion of said cartridge ring extend inward a
20 distance less than portions of said resilient element farther removed from said bottom portion,

(g) said resilient element engaging and resiliently bearing inwardly against at least the upper one of said one or more disc-like accessory elements for restraining said one or more accessory elements against upward movement relative to said cartridge ring.

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2. An accessory cartridge according to claim 1, wherein

(a) said retainer clip element comprises a contoured spring element, separate from side wall portions of said cartridge ring, formed of sheet metal and having a generally flat central portion disposed generally parallel to a central axis of said

10 cartridge ring and fixed to a side wall portion thereof,

(b) - said retainer clip element further comprising a pair of wing-like side elements extending laterally from opposite sides of said central portion and disposed at an shallow angle with respect to adjacent side wall portions of said cartridge ring,

15 (c) said wing-like side elements being contoured such that upper portions thereof are spaced farther inward from the side wall portions of said cartridge ring than are lower portions of said side elements.

3. An accessory cartridge according to claim 2, wherein

20 (a) said wing-like elements are in the form of generally flat panels disposed at a shallow angle to said central portion,

(c) said wing-like side elements being contoured to extend laterally farther from said central portion in upper portions of said of said side elements than in lower portions thereof, whereby said upper portions are spaced farther inward from the side wall portions of said cartridge ring than are lower portions of said side
5 elements.

4. An accessory cartridge according to claim 2, wherein

(a) a plurality of retainer clips as described are mounted on said side wall portions, at circumferentially spaced locations thereon, for engagement with
10 accessory elements at a plurality of positions.

5. The combination of accessory cartridge according to claim 1 with a lighting fixture, wherein

(a) the lighting fixture is formed with a main body portion and a front barrel
15 portion,

(b) said front barrel portion is of tubular construction and is hingedly joined at an upper end thereof with a lower end of said main body portion, and

(c) said cartridge ring is removably received in an upper portion of said front barrel portion.

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6. The combination of claim 5, wherein

- (a) an upper portion of said front barrel portion is formed with an upwardly facing annular shoulder, and
- (b) said cartridge ring is provided, in an upper portion thereof, with an outwardly extending flange arranged to be supported on said annular shoulder.

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7. The combination of claim 6, wherein

- (a) resilient means are provided on at least one of (i) an outer surface of the cartridge ring side wall portion of (ii) an inner surface of said front barrel portion, for releasably positioning said cartridge ring within said front barrel portion.

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8. An accessory cartridge for removable reception in a tubular front portion of a specialized lighting fixture, which comprises

- (a) a cartridge ring having a generally circular side wall portion and generally open bottom and top portions,

15 (b) an inwardly projecting flange at a lower portion of said cartridge ring,

- (c) a plurality of generally flat, disc-like accessory elements adapted for loose-fitting reception within the side wall portions of said cartridge ring,

- (d) a lowermost one of said accessory elements being supported on said inwardly projecting flange,

20 (e) said side wall portions having an axial dimension sufficient to accommodate the simultaneous reception of a plurality of said disc-like accessory elements within said cartridge ring, and

(f) at least one resilient retainer element positioned for engagement with edge portions of at least an uppermost one of said one or more accessory elements positioned within said cartridge ring for restraining said one or more accessory elements against upward movement relative to said cartridge ring.

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9. An accessory cartridge according to claim 8, wherein

(a) said resilient retainer element comprises a resilient element extending inward from said side wall portions at an angle thereto, such that portions of said resilient element closer to the bottom portion of said cartridge ring extend inward a distance less than portions of said resilient element farther removed from said bottom portion,

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(b) said resilient element engaging and resiliently bearing inwardly against at least the upper one of said one or more disc-like accessory elements for restraining said one or more accessory elements against upward movement relative to said cartridge ring.

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10. An accessory cartridge according to claim 9, wherein

(a) said resilient retainer element comprises a contoured spring element, separate from side wall portions of said cartridge ring, formed of sheet metal and having a generally flat central portion disposed generally parallel to a central axis of said cartridge ring and fixed to a side wall portion thereof,

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(b) said resilient retainer element further comprising a pair of wing-like side elements extending laterally from opposite sides of said central portion and disposed at an shallow angle with respect to adjacent side wall portions of said cartridge ring,

- 5 (c) said wing-like side elements being contoured such that upper portions thereof are spaced farther inward from the side wall portions of said cartridge ring than are lower portions of said side elements.

11. An accessory cartridge according to claim 10, wherein

- 10 (a) said wing-like elements are in the form of generally flat panels disposed at a shallow angle to said central portion,

- (c) said wing-like side elements being contoured to extend laterally farther from said central portion in upper portions of said of said side elements than in lower portions thereof, whereby said upper portions are spaced farther inward from the
15 side wall portions of said cartridge ring than are lower portions of said side elements.

12. The combination of claim 8, wherein

- (a) said cartridge ring is formed with an outwardly extending annular flange
20 adjacent an upper portion thereof for supporting said cartridge within a lighting fixture.

13. The combination of accessory cartridge according to claim 8 with a lighting fixture, wherein

(a) the lighting fixture is formed with a main body portion and a tubular front barrel portion,

5 (b) said front barrel portion is hingedly joined at an upper end thereof with a lower end of said main body portion, and

(c) said cartridge ring is removably received in an upper portion of said front barrel portion.

10 14. The combination of claim 13, wherein

(a) an upper portion of said front barrel portion is formed with an upwardly facing annular shoulder, and

(b) said cartridge ring is provided, in an upper portion thereof, with an outwardly extending flange arranged to be supported on said annular shoulder.

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15. The combination of claim 14, wherein

(a) resilient means are provided for releasably retaining said cartridge ring within said front barrel portion.